RUDRAPRASAD CONSULTANTS

NAME OF WORK: Package-3, includes 4 works of Rs.200.00 Lakhs

1. *Improvements to roads and drains of Chiranjeevi layout extension and surrounding areas in ward No.07, Byatarayanapura*
2. *Improvements to roads and drains of Mariyannapalya and surrounding areas in ward No.07, Byatarayanapura*
3. *Improvements to roads and drains of Gopalappa Layout and chinnappa Layout in ward No.07, Byatarayanapura*
4. *Improvements to roads and drains of Hotteppa Layout, Khasinagara and surrounding areas in ward No.07, Byatarayanapura*

SECOND AND FINAL

PMC REPORTS

SUBMITTED TO B.B.M.P. BANGALORE

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526 Web: www.arkstructure.com e-mail: [illegible]

RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

To,

Date: 06-12-2019

ASSISTANT EXECUTIVE ENGINEER
VIDYARANYAPURA SUB DIVISION
BBMP
BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of **Package-3, Includes 4 Works of Rs.200.0 Lakhs 1)Improvements to Roads and Drains of Chiranjeevi Layout Extension and Surrounding Areas in Ward No.07, Byatarayanapura 2)Improvements to Roads and Drains of Mariyannapalya and Surrounding Areas in Ward No.07, Byatarayanapura 3)Improvements to Roads and Drains of Gopalappa Layout and Chinnappa Layout in Ward No.07, Byatarayanapura 4)Improvements to Roads and Drains of Hotteppa Layout, Khasinagara and Surrounding Areas in Ward No.07, Byatarayanapura.**

Ref: 1. Work Order No: BBMP/EE/BTP/WO/103/2018-19

2. Job code: 007-18-000049,007-18-000050,007-18-000051,007-18-000052

We are here with forwarding to Sri D Narahari Beneka Developers & Project Pvt.Ltd,#34, 2nd Floor 2nd Cross, Sampige Road, Malleswaram Bangalore-560003. Second and Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 1,40,10,472.86/- (Rs.One Crore Fourty Lakhs Ten Thousand Four Hundred Seventy Two and Eighty Six Paisa Only). First and Part bill for Rs. 48,86,399.96/- was previously submitted & the total bill amount submitted till date being Rs. 1,88,96,872.82/-(Rs.One Crore Eighty Eight lakhs Ninety Six Thousand Eight Hundred Seventy Two and Eighty Two Paisa Only).

Thanking you,

Yours faithfully,

For Rudraprasad Consultants

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

RUDRAPRASAD CONSULTANTS ★ BANGALORE

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526
Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

RUDRAPRASAD CONSULTANTS
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NAME OF WORK:- Package-3, includes 4 works of Rs.200.00 Lakhs 1)Improvements to roads and drains of chiranjeevi layout extension and surrounding areas in ward No.07, Byatarayanapura 2)Improvements to roads and drains of Mariyannapalya and surrounding areas in ward No.07, Byatarayanapura 3)mprovements to roads and drains of Gopalappa Layout and chinnappa Layout in ward No.07, Byatarayanapura 4)Improvements to roads and drains of Hotteppa Layout, Khasinagara and surrounding areas in ward No.07, Byatarayanapura

Name of Client	:	EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION,BBMP, BANGALORE
Contractor/ Agency:		Sri.D.Narahari,Benaka Developers & Project Pvt.Ltd , # 34,IInd Floor,IInd Cross,Sampige road,Malleshwaram Bangalore-560003
Estimated Cost		Rs. 200 lakhs
Amount put to Tender		Rs. 1,68,86,517.08
Approved Tender Price		Rs. 1,89,07,690.72
Date Of Inspection :		06-12-19
Status Of Bill	:	Second & Final Bill
In the Presence of :		a) Assistant Engineer ,Ward no-7 ,Byatarayanapura division, BBMP, Bangalore b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications and the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory

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2	Removing and refixing stone slabs of drains and pointing and the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory
3	Providing granite slabs of selected quality roughly dressed and fixed in cementer mortar (1:6) including fixing curing etc., complete.as per specification and the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory
4	Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification and the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory
5	Providing and constructing granite /trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms hign, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete as per specificationsand the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory
6	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specificationsand the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory
7	Providing laying, spreading and compacting graded fine aggregate to wet mix macadam specificationns including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surfce and compating with vibratory roller to achieve the desired density complete as per specifications and the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory

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8	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and or/ compressed air to receive bituminous treatment including cost of all materails, labour, HOM Machineries complete as per specifications and the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory
9	Providing and applying tack coat with80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials , labour HOM Machineries complete as per specifications and the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory
10	Providing and laying bituminous concrete40MM thick with hotmix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filleeer, transporting of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required gradde, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to acheive the desired compaction as per MORTH specifications and the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory
11	Providing and laying of hot applied thermoplastic compund 2.5mm thick including reflectorising glass beads at 250 gms per sqm area thickness of 2.5mm is exclusive of surface applied galss beads as per thickness of 2.5mm is exclusive of surface, applied glass beadsa s perIRC35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory
12	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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13	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory
14	Providing ruled pointing of course stone msonry with cement mortar 1:3 20 mm deep, after raking joints to depth of 20 mm nicley lining, including cost of materials, labour, curing etc., complete as per specifications and directions of the engineer-in-charge.	Work done upto the Billed Quantity and the Quality is satisfactory
15	Cement concrete pavement. Construction of un-reinfirced plain cement concrete pavement, thickness as per deisgn, over a prepraed sub base with OPC cement or any other type as per clause 1051..2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregates ,with superplastiser @ 3lts confirming to IS9103-1999 REAFFIRMED-2008, Mixed in a concrete mixer of not less than 0.6 cum capacity and approximate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates inlcuding levelling the form work as per drawing) and spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continous operation including, provision of contraction, expansion, construction operation including longitudinal joints, including groove cutting charges joint filler, sparation menebrane, sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specfication	Work done upto the Billed Quantity and the Quality is satisfactory
16	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cst of generator, HOM of machinery screed vibaratory, power floater, blade and disc etc., with all leads and lift.	Work done upto the Billed Quantity and the Quality is satisfactory

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17	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
18	Loading and unloading of stone boulder/stone aggregates/sand/kaner/moorum. placing tipper at loading point loading with front end loading, dumping turing for return trip, excluding time for haulage and return and trip complete as per specificationand as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
E1	Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification (Data Rate)	Work done upto the Billed Quantity and the Quality is satisfactory
E2	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Work done upto the Billed Quantity and the Quality is satisfactory

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